

Claim Amendments:

1. (original): A method for installing a subsea completion system comprising a conductor housing which is positioned on the sea floor, a wellhead which is landed in the conductor housing, at least one casing hanger which connected to a corresponding casing string, a tubing hanger which is connected to a production tubing string and which includes at least one tubing hanger production bore, and a christmas tree which is installed over the wellhead and which includes at least one production bore, the method comprising the steps of:

- (a) installing the conductor housing on the sea floor;
- (b) landing the wellhead in the conductor housing;
- (c) securing a BOP to the wellhead;
- (d) landing the casing hanger in the wellhead through the BOP;
- (e) connecting the tubing hanger to a THRT;
- (f) landing the tubing hanger in the wellhead or the casing hanger through the BOP;
- (g) installing a wireline plug in the tubing hanger production bore through the THRT;
- (h) retrieving the THRT;
- (i) retrieving the BOP;
- (j) securing an ROSL to the christmas tree;
- (k) landing the christmas tree on the wellhead; and
- (l) retrieving the wireline plug from the tubing hanger production bore using the ROSL.

2. (original): The method of claim 1, further comprising the step of flow testing the well back to a normal production facility.
3. (original): The method of claim 1, wherein step (k) is performed with at least one of a cable and a drill string connected to the ROSL.
4. (original): The method of claim 1, further comprising the step of retrieving the ROSL after step (l).
5. (original): The method of claim 4, further comprising the step of installing a tree cap on the christmas tree using an ROV.
6. (original): The method of claim 1, further comprising the steps of:
  - mounting a CGB on the conductor housing prior to step (c); and
  - orienting the tubing hanger relative to the CGB.
7. (original): The method of claim 6, further comprising the step of orienting the christmas tree relative to the CGB.
8. (original): The method of claim 6, wherein the step of orienting the tubing hanger relative to the CGB comprises the steps of:
  - landing a THOT on the wellhead prior to step (c);
  - orienting the THOT relative to the CGB; and
  - orienting the tubing hanger relative to the THOT.
9. (original): The method of claim 1, further comprising the steps of:
  - securing the christmas tree to a mudmat prior to step (k);
  - landing the christmas tree and the mudmat on the sea floor;
  - releasing the christmas tree from the mudmat; and
  - landing the christmas tree on the wellhead.

10. (original): The method of claim 9, further comprising the steps of:

- mounting a CGB on the conductor housing prior to step (c);
- securing a THOT to the wellhead prior to step (c);
- orienting the THOT relative to the CGB;
- landing the christmas tree on the THOT subsequent to step (i);
- securing the christmas tree to the THOT;
- moving the christmas tree and the THOT from the wellhead to the mudmat;
- releasing the THOT from the christmas tree; and
- landing the christmas tree on the wellhead.

11. (original): An apparatus for installing a subsea completion system comprising a conductor housing which is positioned on the sea floor, a wellhead which is landed in the conductor housing, at least one casing hanger which connected to a corresponding casing string, a tubing hanger which is connected to a production tubing string and which includes at least one tubing hanger production bore, and a christmas tree which is installed over the wellhead and which includes at least one production bore that is aligned with the tubing hanger production bore, the apparatus comprising:

- an ROSL which comprises an elongated body; a bore which extends longitudinally through the body; an elongated stem which is positioned in the bore; a plug tool which is connected to a second end of the stem; means for removably connecting the ROSL to the christmas tree; and means for moving the stem through

the bore to thereby move the plug tool through the production bore and into engagement with a plug which is located in the tubing hanger production bore; and  
at least one of a cable and a drill string which is connected to the ROSL and by which the ROSL and the christmas tree are lowered to the wellhead.

12. (original): The apparatus of claim 11, wherein the stem moving means comprises a hydraulic cylinder which includes a piston that is connected to the stem.

13. (original): The apparatus of claim 12, wherein the hydraulic cylinder comprises the body of the ROSL.

14. (original): The apparatus of claim 11, further comprising:

a CGB which is mounted on the conductor housing; and  
means for orienting the tubing hanger relative to the CGB;

15. (original): The apparatus of claim 14, wherein the orienting means comprises a THOT.

16. (original): The apparatus of claim 15, wherein the THOT comprises:

a body;  
a central bore which extends axially through the body; and  
a funnel which is connected to the body and which is adapted to engage a corresponding hub that is connected to the CGB when the THOT is properly oriented relative to the CGB.

17. (original): The apparatus of claim 16, wherein the THOT further comprises:

an orientation pin; and  
means for extending the orientation pin laterally into the central bore.

18. (original): The apparatus of claim 17, wherein the extending means comprises a hydraulic cylinder.

19. (original): The apparatus of claim 18, wherein the hydraulic cylinder may be actuated by an ROV.

20. (original): The apparatus of claim 17, further comprising a tubing hanger running tool which is connected to the tubing hanger and which includes a downwardly facing helical surface that engages the orientation pin as the tubing hanger is lowered into the wellhead to thereby orient the tubing hanger relative to the THOT.

21. (new): A method for retrieving a plug from a bore of a subsea completion system which is installed over a well, the method comprising the steps of:

- providing a retrieval device which comprises an extendable stem and a retrieval tool which is attached to the stem and removably connectable to the plug;
- securing the retrieval device to the subsea completion system;
- retrieving the plug from the bore using the retrieval device; and
- removing the retrieval device from the subsea completion system with the plug connected to the retrieval device.

22. (new): The method of claim 21, further comprising the step of sealing the retrieval device to the subsea completion system prior to the plug retrieving step; wherein the retrieval device forms a pressure-containing barrier between the bore and a surrounding environment.

23. (new): The method of claim 21, wherein the retrieval device comprises an ROSL.

24. (new): The method of claim 21, wherein the retrieval device is deployable from a surface facility on at least one of a cable and a drill string.

25. (new): The method of claim 21, further comprising the step of retrieving the retrieval device to a surface facility with the plug connected to the retrieval device.

26. (new): The method of claim 25, wherein the step of retrieving the retrieval device is performed with at least one of a cable and a drill string which is deployed from the surface facility.

27. (new): The method of claim 21, wherein the plug retrieving step comprises the steps of extending the stem into engagement with the plug, connecting the retrieval tool to the plug and retracting the plug from the bore.

28. (new): A method for retrieving a plug from a bore of a subsea completion system which is installed over a well, the method comprising the steps of:

providing an ROSL which comprises an extendable stem and a retrieval tool which is attached to the stem and removably connectable to the plug;  
securing and sealing the ROSL to the subsea completion system; and  
retrieving the plug from the bore using the ROSL.

29. (new): The method of claim 28, wherein the ROSL is deployable from a surface facility on at least one of a cable and a drill string.

30. (new): The method of claim 28, further comprising the step of removing the ROSL from the subsea completion system with the plug connected to the ROSL.

31. (new): The method of claim 30, further comprising the step of retrieving the ROSL to a surface facility with the plug connected to the ROSL.

32. (new): The method of claim 31, wherein the step of retrieving the ROSL is performed with at least one of a cable and a drill string which is deployed from the surface facility.

33. (new): A method for installing a plug in a bore of a subsea completion system which is installed over a well, the method comprising the steps of:

providing an installation device which comprises an extendable stem and an installation tool which is attached to the stem and removably connectable to the plug;

connecting the plug to the installation tool;

securing the installation device to the subsea completion system; and

installing the plug in the bore using the installation device.

34. (new): The method of claim 33, further comprising the step of sealing the installation device to the subsea completion system prior to the plug installing step; wherein the installation device forms a pressure-containing barrier between the bore and a surrounding environment.

35. (new): The method of claim 33, wherein the installation device comprises an ROSL.

36. (new): The method of claim 33, further comprising the step of lowering the installation device from a surface facility on at least one of a cable and a drill string.

37. (new): The method of claim 33, further comprising the step of retrieving the installation device to a surface facility after the plug installing step.

38. (new): The method of claim 37, wherein the step of retrieving the installation device is performed with at least one of a cable and a drill string which is deployed from the surface facility.

39. (new): The method of claim 33, wherein the plug installing step comprises the steps of extending the stem to position the plug in the bore, securing the plug to the bore and disconnecting the plug from the installation tool.

40. (new): A method for installing a plug in a bore of a subsea completion system which is installed over a well, the method comprising the steps of:

providing an ROSL which comprises an extendable stem and an installation tool which is attached to the stem and removably connectable to the plug;

connecting the plug to the installation tool;

securing and sealing the ROSL to the subsea completion system; and

installing the plug in the bore using the ROSL.

41. (new): The method of claim 40, further comprising the step of lowering the ROSL from a surface facility to the subsea completion system on at least one of a cable and a drill string.

42. (new): The method of claim 40, further comprising the step of retrieving the ROSL to a surface facility after the plug installing step.

43. (new): The method of claim 42, wherein the step of retrieving the ROSL is performed with at least one of a cable and a drill string which is deployed from the surface facility.

44. (new): A method for installing a subsea completion system over a well bore, the subsea completion system comprising a wellhead which is installed at an



upper end of the well bore; a tubing hanger which comprises at least one tubing hanger bore, and a christmas tree which comprises at least one christmas tree bore, the method comprising the steps of:

- (a) installing the tubing hanger in the wellhead;
- (b) installing a plug in the tubing hanger bore;
- (c) installing the christmas tree over the wellhead with the christmas tree bore in alignment with the tubing hanger bore;
- (d) providing an ROSL which comprises an extendable stem and a retrieval tool which is attached to the stem and removably connectable to the plug;
- (e) with the ROSL secured to the subsea completion system above the christmas tree, retrieving the plug from the tubing hanger bore through the christmas tree bore with the ROSL.

45. (new): The method of claim 44, further comprising the step of lowering the christmas tree from a surface facility to the wellhead on at least one of a cable and a drill string.

46. (new): The method of claim 44, further comprising the step of securing the ROSL to the christmas tree after the christmas tree is installed over the wellhead.

47. (new): The method of claim 44, further comprising the step of securing the ROSL to the christmas tree prior to landing the christmas tree on the wellhead.

48. (new): The method of claim 47, further comprising the step of lowering the ROSL and the christmas tree from a surface facility to the wellhead on at least one of a cable and a drill string.

49. (new): The method of claim 44, further comprising the step of removing the ROSL from the subsea completion system with the plug connected to the ROSL.

50. (new): The method of claim 49, further comprising the step of retrieving the ROSL to a surface facility with the plug connected to the ROSL.

51. (new): The method of claim 50, wherein the step of retrieving the ROSL is performed with at least one of a cable and a drill string which is deployed from the surface facility.

52. (new): The method of claim 44, wherein the wellhead is installed in a conductor housing and the method further comprises the steps of:

mounting a CGB to the conductor housing; and  
orienting the tubing hanger relative to the CGB.

53. (new): The method of claim 52, wherein the step of orienting the tubing hanger relative to the CGB comprises the steps of:

landing a THOT on the wellhead;  
orienting the THOT relative to the CGB; and  
orienting the tubing hanger relative to the THOT.

54. (new): The method of claim 52, further comprising the step of orienting the christmas tree relative to the CGB.

55. (new): A method for installing a subsea completion system over a well bore, the subsea completion system comprising a wellhead which is installed at an upper end of the well bore; a tubing hanger which comprises at least one tubing hanger bore, and a christmas tree which comprises at least one christmas tree bore, the method comprising the steps of:

- (a) installing the tubing hanger in the wellhead;
- (b) installing a plug in the tubing hanger bore;
- (c) installing the christmas tree over the wellhead with the christmas tree bore in alignment with the tubing hanger bore;
- (d) providing a retrieval device which comprises an extendable stem and a retrieval tool which is attached to the stem and removably connectable to the plug;
- (e) with the retrieval device secured to the subsea completion system above the christmas tree, retrieving the plug from the tubing hanger bore through the christmas tree bore using the retrieval device.

56. (new): The method of claim 55, further comprising the step of sealing the retrieval device to the subsea completion system prior to the plug retrieving step; wherein the retrieval device forms a pressure-containing barrier between the tubing hanger bore and a surrounding environment.

57. (new): The method of claim 55, wherein the retrieval device comprises an ROSL.

58. (new): The method of claim 55, further comprising the step of lowering the christmas tree from a surface facility to the wellhead on at least one of a cable and a drill string.

59. (new): The method of claim 55, further comprising the step of securing the retrieval device to the christmas tree after the christmas tree is installed over the wellhead.

60. (new): The method of claim 55, further comprising the step of securing the retrieval device to the christmas tree prior to landing the christmas tree on the wellhead.

61. (new): The method of claim 60, further comprising the step of lowering the retrieval device and the christmas tree from a surface facility to the wellhead on at least one of a cable and a drill string.

62. (new): The method of claim 55, further comprising the step of removing the retrieval device from the subsea completion system with the plug connected to the retrieval device.

63. (new): The method of claim 62, further comprising the step of retrieving the retrieval device to a surface facility with the plug connected to the retrieval device.

64. (new): The method of claim 63, wherein the step of retrieving the retrieval device is performed with at least one of a cable and a drill string which is deployed from the surface facility.

65. (new): The method of claim 55, wherein the wellhead is installed in a conductor housing and the method further comprises the steps of:

- mounting a CGB to the conductor housing; and
- orienting the tubing hanger relative to the CGB.

66. (new): The method of claim 65, wherein the step of orienting the tubing hanger relative to the CGB comprises the steps of:

- landing a THOT on the wellhead;
- orienting the THOT relative to the CGB; and

orienting the tubing hanger relative to the THOT.

67. (original): The method of claim 66, further comprising the step of orienting the christmas tree relative to the CGB.